

Massachusetts Bay bacteria counts, 2017

Surveys are conducted monthly to measure fecal coliform and *Enterococcus* in Massachusetts Bay in the area of the MWRA outfall. Additional monitoring is carried out following heavy rains or other events that may affect wastewater treatment and potentially have adverse effects in Massachusetts Bay.

Displayed are Enterococcus and fecal coliform counts.

The limit for shellfishing in unrestricted areas is 14 col/100 mL for fecal coliform.

There are no shellfishing limits established for Enterococcus, but EPA's swimming standard is a geometric mean of 35 colonies/100 mL, and a single sample limit of 104 colonies/100 mL.

"S" following the station id means sample was collected at surface;

"P" means sample was collected below the pycnocline, the division between the surface warm and/or fresh water layer and the bottom cold and/or salty water layer (collected only if a pycnocline is

Date	Station	Fecal coliform	<i>Enterococcus</i>
Jan/17/2017 08:22 AM	F25S	<1	<10
Jan/17/2017 08:39 AM	F14S	<1	<10
Jan/17/2017 08:52 AM	N09S	<1	<10
Jan/17/2017 09:17 AM	F13S	<1	<10
Jan/17/2017 09:45 AM	N07S	<1	<10
Jan/17/2017 10:03 AM	N16S	<1	<10
Jan/17/2017 10:20 AM	N20S	<1	<10
Jan/17/2017 10:35 AM	N02S	<1	<10
Jan/17/2017 10:53 AM	F18S	<1	<10
Jan/17/2017 11:12 AM	F24S	<1	<10
Jan/17/2017 01:36 PM	N04S	<1	<10
Feb/22/2017 08:06 AM	F25S	<1	<10
Feb/22/2017 08:23 AM	F14S	<1	<10
Feb/22/2017 08:36 AM	N09S	<1	<10
Feb/22/2017 09:01 AM	F13S	<1	<10
Feb/22/2017 09:27 AM	N07S	<1	<10
Feb/22/2017 09:44 AM	N16S	<1	<10
Feb/22/2017 10:00 AM	N04S	<1	<10
Feb/22/2017 10:28 AM	N20S	<1	<10
Feb/22/2017 10:45 AM	N02S	<1	<10
Feb/22/2017 11:03 AM	F18S	<1	<10
Feb/22/2017 11:24 AM	F24S	<1	<10
Mar/10/2017 07:55 AM	F25S	1	<10
Mar/10/2017 08:15 AM	F14S	<1	<10
Mar/10/2017 08:29 AM	N09S	<1	10
Mar/10/2017 08:57 AM	F13S	<1	<10
Mar/10/2017 09:26 AM	N07S	<1	<10
Mar/10/2017 09:49 AM	N16S	<1	<10
Mar/10/2017 10:20 AM	N04S	<1	<10
Mar/10/2017 10:50 AM	N20S	<1	<10
Mar/10/2017 11:05 AM	N02S	<1	<10
Mar/10/2017 11:21 AM	F18S	<1	<10
Mar/10/2017 11:42 AM	F24S	<1	<10
Mar/24/2017 07:59 AM	F25S	<1	<10
Mar/24/2017 08:17 AM	F14S	<1	<10

Date	Station	Fecal coliform	Enterococcus
Mar/24/2017 08:32 AM	N09S	<1	<10
Mar/24/2017 08:58 AM	F13S	1	<10
Mar/24/2017 09:28 AM	N07S	<1	<10
Mar/24/2017 09:46 AM	N16S	<1	<10
Mar/24/2017 10:03 AM	N04S	<1	<10
Mar/25/2017 09:52 AM	N02S	<1	<10
Mar/25/2017 10:07 AM	F18S	<1	<10
Mar/25/2017 10:28 AM	N20S	<1	<10
Mar/25/2017 10:45 AM	F24S	<1	<10
Apr/03/2017 08:45 AM	F25S	<1	<10
Apr/03/2017 09:03 AM	F14S	<1	<10
Apr/03/2017 09:14 AM	N09S	<1	<10
Apr/03/2017 09:37 AM	F13S	<1	<10
Apr/03/2017 10:04 AM	N07S	<1	<10
Apr/03/2017 10:21 AM	N16S	<1	<10
Apr/03/2017 10:36 AM	N04S	<1	<10
Apr/03/2017 10:57 AM	N20S	<1	10
Apr/03/2017 11:11 AM	N02S	<1	<10
Apr/03/2017 11:22 AM	F18S	<1	<10
Apr/03/2017 11:37 AM	F24S	<1	<10
May/10/2017 08:30 AM	F25S	<1	10
May/10/2017 08:34 AM	F25P	<1	<10
May/10/2017 08:52 AM	F14S	<1	<10
May/10/2017 08:56 AM	F14P	<1	<10
May/10/2017 09:11 AM	N09S	<1	<10
May/10/2017 09:15 AM	N09P	<1	<10
May/10/2017 09:39 AM	F13S	<1	<10
May/10/2017 09:42 AM	F13P	<1	<10
May/10/2017 10:23 AM	N07S	<1	<10
May/10/2017 10:27 AM	N07P	<1	<10
May/10/2017 10:45 AM	N16S	<1	<10
May/10/2017 10:48 AM	N16P	<1	<10
May/10/2017 11:04 AM	N04S	<1	<10
May/10/2017 11:08 AM	N04P	<1	<10
May/10/2017 11:38 AM	N20S	<1	<10
May/10/2017 11:42 AM	N20P	<1	<10
May/10/2017 11:56 AM	N02S	<1	<10
May/10/2017 12:00 PM	N02P	<1	<10
May/10/2017 12:15 PM	F18S	<1	<10
May/10/2017 12:18 PM	F18P	<1	<10
May/10/2017 12:39 PM	F24S	<1	<10
May/10/2017 12:42 PM	F24P	<1	<10
Jun/01/2017 07:57 AM	F25S	<1	<10
Jun/01/2017 08:02 AM	F25P	<1	<10
Jun/01/2017 08:18 AM	F14S	<1	<10
Jun/01/2017 08:26 AM	F14P	<1	<10
Jun/01/2017 08:38 AM	N09S	<1	<10
Jun/01/2017 08:44 AM	N09P	<1	<10
Jun/01/2017 09:09 AM	F13S	<1	<10
Jun/01/2017 09:13 AM	F13P	<1	<10
Jun/01/2017 09:37 AM	N07S	<1	<10
Jun/01/2017 09:44 AM	N07P	<1	<10

Date	Station	Fecal coliform	Enterococcus
Jun/01/2017 09:58 AM	N16S	<1	<10
Jun/01/2017 10:03 AM	N16P	<1	<10
Jun/01/2017 10:19 AM	N04S	<1	<10
Jun/01/2017 10:23 AM	N04P	<1	<10
Jun/01/2017 10:52 AM	N20S	<1	<10
Jun/01/2017 10:55 AM	N20P	<1	<10
Jun/01/2017 11:10 AM	N02S	<1	<10
Jun/01/2017 11:16 AM	N02P	<1	<10
Jun/01/2017 11:31 AM	F18S	<1	<10
Jun/01/2017 11:35 AM	F18P	<1	10
Jun/01/2017 11:55 AM	F24S	<1	<10
Jun/01/2017 11:58 AM	F24P	<1	<10
Jul/05/2017 08:51 AM	F25S	<1	<10
Jul/05/2017 08:56 AM	F25P	<1	<10
Jul/05/2017 09:14 AM	F14S	<1	<10
Jul/05/2017 09:19 AM	F14P	<1	108
Jul/05/2017 09:32 AM	N09S	<1	<10
Jul/05/2017 09:36 AM	N09P	<1	<10
Jul/05/2017 10:01 AM	F13S	<1	<10
Jul/05/2017 10:05 AM	F13P	<1	<10
Jul/05/2017 10:33 AM	N07S	<1	<10
Jul/05/2017 10:37 AM	N07P	<1	<10
Jul/05/2017 10:53 AM	N16S	<1	<10
Jul/05/2017 10:58 AM	N16P	<1	<10
Jul/05/2017 11:32 AM	N04S	<1	<10
Jul/05/2017 11:38 AM	N04P	<1	<10
Jul/05/2017 12:04 PM	N20S	<1	<10
Jul/05/2017 12:09 PM	N20P	<1	<10
Jul/05/2017 12:23 PM	N02S	<1	<10
Jul/05/2017 12:27 PM	N02P	<1	<10
Jul/05/2017 12:42 PM	F18S	<1	<10
Jul/05/2017 12:46 PM	F18P	<1	<10
Jul/05/2017 01:05 PM	F24S	<1	<10
Jul/05/2017 01:09 PM	F24P	<1	<10
Aug/01/2017 08:00 AM	F25S	<1	<10
Aug/01/2017 08:06 AM	F25P	<1	<10
Aug/01/2017 08:22 AM	F14S	<1	<10
Aug/01/2017 08:28 AM	F14P	<1	20
Aug/01/2017 08:46 AM	F13S	<1	10
Aug/01/2017 08:52 AM	F13P	<1	<10
Aug/01/2017 09:16 AM	N09S	<1	<10
Aug/01/2017 09:19 AM	N09P	<1	<10
Aug/01/2017 09:39 AM	N07S	<1	<10
Aug/01/2017 09:44 AM	N07P	<1	<10
Aug/01/2017 10:04 AM	N16S	<1	<10
Aug/01/2017 10:17 AM	N16P	<1	<10
Aug/01/2017 10:31 AM	N04S	<1	<10
Aug/01/2017 10:35 AM	N04P	<1	<10
Aug/01/2017 11:09 AM	N20S	<1	<10
Aug/01/2017 11:17 AM	N20P	<1	10
Aug/01/2017 11:29 AM	N02S	<1	<10
Aug/01/2017 11:33 AM	N02P	<1	<10

Date	Station	Fecal coliform	Enterococcus
Aug/01/2017 11:48 AM	F18S	<1	<10
Aug/01/2017 11:56 AM	F18P	<1	<10
Aug/01/2017 12:14 PM	F24S	<1	<10
Aug/01/2017 12:18 PM	F24P	<1	<10
Sep/13/2017 08:08 AM	F25S	<1	<10
Sep/13/2017 08:17 AM	F25P	<1	10
Sep/13/2017 08:31 AM	F14S	<1	<10
Sep/13/2017 08:35 AM	F14P	<1	<10
Sep/13/2017 08:46 AM	N09S	<1	<10
Sep/13/2017 08:50 AM	N09P	<1	<10
Sep/13/2017 09:12 AM	F13S	<1	<10
Sep/13/2017 09:16 AM	F13P	<1	<10
Sep/13/2017 09:42 AM	N07S	<1	<10
Sep/13/2017 09:47 AM	N07P	<1	<10
Sep/13/2017 10:05 AM	N16S	<1	<10
Sep/13/2017 10:09 AM	N16P	<1	<10
Sep/13/2017 10:29 AM	N20S	<1	<10
Sep/13/2017 10:33 AM	N20P	<1	10
Sep/13/2017 10:55 AM	N04S	<1	<10
Sep/13/2017 10:59 AM	N04P	<1	<10
Sep/13/2017 11:17 AM	N02S	<1	<10
Sep/13/2017 11:21 AM	N02P	<1	<10
Sep/13/2017 11:36 AM	F18S	<1	<10
Sep/13/2017 11:39 AM	F18P	<1	<10
Sep/13/2017 11:58 AM	F24S	<1	<10
Sep/13/2017 12:01 PM	F24P	<1	<10
Oct/06/2017 07:57 AM	F25S	<1	10
Oct/06/2017 08:02 AM	F25P	2	<10
Oct/06/2017 08:18 AM	F14S	<1	<10
Oct/06/2017 08:21 AM	F14P	<1	<10
Oct/06/2017 08:33 AM	N09S	<1	<10
Oct/06/2017 08:37 AM	N09P	<1	<10
Oct/06/2017 09:02 AM	F13S	<1	<10
Oct/06/2017 09:05 AM	F13P	<1	<10
Oct/06/2017 09:30 AM	N07S	<1	<10
Oct/06/2017 09:35 AM	N07P	<1	<10
Oct/06/2017 09:50 AM	N16S	<1	<10
Oct/06/2017 09:54 AM	N16P	<1	<10
Oct/06/2017 10:09 AM	N04S	<1	<10
Oct/06/2017 10:13 AM	N04P	<1	<10
Oct/06/2017 10:44 AM	N20S	<1	<10
Oct/06/2017 10:47 AM	N20P	<1	<10
Oct/06/2017 10:58 AM	N02S	<1	<10
Oct/06/2017 11:02 AM	N02P	<1	<10
Oct/06/2017 11:17 AM	F18S	<1	<10
Oct/06/2017 11:20 AM	F18P	<1	<10
Oct/06/2017 11:39 AM	F24S	<1	<10
Oct/06/2017 11:42 AM	F24P	<1	<10
Nov/13/2017 08:36 AM	F25S	<1	<10
Nov/13/2017 08:54 AM	F14S	<1	<10
Nov/13/2017 09:12 AM	N09S	<1	<10
Nov/13/2017 09:42 AM	F13S	<1	<10

Date	Station	Fecal coliform	<i>Enterococcus</i>
Nov/13/2017 10:12 AM	N07S	<1	<10
Nov/13/2017 10:32 AM	N16S	<1	<10
Nov/13/2017 10:51 AM	N04S	<1	<10
Nov/13/2017 11:33 AM	N20S	<1	<10
Nov/13/2017 11:51 AM	N02S	<1	<10
Nov/13/2017 12:09 PM	F18S	<1	<10
Nov/13/2017 12:39 PM	F24S	<1	<10
Dec/18/2017 08:34 AM	F25S	<1	<10
Dec/18/2017 08:51 AM	F14S	<1	<10
Dec/18/2017 09:04 AM	N09S	<1	<10
Dec/18/2017 09:29 AM	F13S	<1	<10
Dec/18/2017 09:55 AM	N07S	<1	<10
Dec/18/2017 10:11 AM	N16S	<1	<10
Dec/18/2017 10:27 AM	N04S	<1	<10
Dec/18/2017 10:49 AM	N20S	<1	<10
Dec/18/2017 10:58 AM	N02S	<1	<10
Dec/18/2017 11:13 AM	F18S	<1	<10
Dec/18/2017 11:29 AM	F24S	<1	<10